| Index of | of C | ;lai | ims |
|----------|------|------|-----|
|----------|------|------|-----|



Application/Control No.

10/681,803

10/681,803 Examiner

Isis A. Ghali

Date

Applicant(s)/Patent under Reexamination

KOSBACH ET AL.

Art Unit

1615

| <b>√</b> | Rejected |
|----------|----------|
| _        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |  | نـــا         | Ļ          |              |          |  |          | l  |              |                        |
|----------|--|---------------|------------|--------------|----------|--|----------|--|--------------|------------------------|
|          | •  | Data          |            |              |          |  |          |  |              | _                      |
| Cla      |  | Date          |            |              |          |  |          |  | _            |                        |
| Final    | Original                                     | 9/14/07       |            |              |          |  |          |  |              |                        |
|          |  | J             | H          |              |          |  |          |  |              | $\dashv$               |
|          | 2  | Н             | _          | H            |          |  | -        |  |              | $\dashv$               |
|          | 3  | ╁             | _          |              |          |  |          |  |              | $\neg$                 |
| <u> </u> | 4  | T             | $\vdash$   |              |          |  |          |  |              |                        |
|          | 1<br>2<br>3<br>4<br>5<br>6                   | П             |            |              |          |  |          |  |              |                        |
|          | 6  |               |            |              |          |  |          |  |              |                        |
|          | 7  | Ш             |            |              |          |  |          | Щ  |              | Ц                      |
|          | 8 9  | Щ             |            |              |          |  |          |  |              | _                      |
|          | 9  | Щ.            |            |              |          |  |          | Ш  | _            | Н                      |
|          | 10   | ₩             | _          |              |          |  |          | -  | -            | $\dashv$               |
| ┝──      | 12   | 1             |            |              |          |  |          | -  | -            | $\dashv$               |
| -        | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | N             |            | H            | -        |  | H        |  | $\vdash$     | $\dashv$               |
| -        | 14   | Ť             | _          | H            | _        | _  | -        | $\vdash$   | $\vdash$     | $\dashv$               |
|          | 15   | IT            | _          | П            |          |  |          | П  | $\Box$       | $\sqcap$               |
|          | 16   |               |            |              |          |  |          |  |              |                        |
|          | 17   | $\prod$       |            |              |          |  |          |  |              |                        |
|          | 18   |               |            |              |          |  |          |  |              |                        |
|          | 19   | Ш             | _          |              |          | _  |          |  |              | Ц                      |
| <u> </u> | 20<br>21                                     | 1             |            | _            |          | _  | _        |  |              | $\dashv$               |
| ļ        | 21   | ₽             | -          | $\vdash$     | _        | _  |          | _  |              | $\dashv$               |
| -        | 22<br>23                                     | ╫             | $\vdash$   | $\vdash$     | -        | _  |          |  | $\vdash$     | Н                      |
|          | 24   | +             | $\vdash$   |              | -        |  |          |  | $\vdash$     |                        |
| <u> </u> | 25   | +             | l          |              | _        |  | -        |  |              | П                      |
|          | 26   | Т             |            |              |          |  |          |  |              | П                      |
|          | 25<br>26<br>27                               |               |            |              |          |  |          |  |              |                        |
|          | 28<br>29                                     | Ш             |            |              |          |  |          |  |              |                        |
| <u></u>  | 29   | Ш             | L          |              |          | L  |          | _  |              | _                      |
| <u> </u> | 30   | Ц.            | <b>!</b> — | _            |          | _  |          |  | _            | _                      |
|          | 31<br>32                                     | ╀             |            | -            |          | _  | -        |  | <u> </u>     | $\dashv$               |
| -        | 33   | ╫             | $\vdash$   | $\vdash$     | $\vdash$ |  |          | -  | -            | Н                      |
|          | 34   | H             |            |              | _        | _  | ┢        |  | H            | Н                      |
|          | 35   | Ħ             | _          |              | $\vdash$ | <del>                                     </del> |          | Г  | Г            | П                      |
|          | 36   | N             |            |              |          |  |          |  |              |                        |
|          | 36<br>37                                     |               |            |              |          |  |          |  |              |                        |
|          | 38   | 匚             |            |              |          |  |          | $\Box$   |              | Ш                      |
|          | 39   | _             | _          |              | _        | $\vdash$   | <u> </u> | <u> </u>   | L            | Щ                      |
| <u></u>  | 40   | <u> </u>      | -          | <del> </del> | L        | $\vdash$   | ┡        | <u> </u>   | <u> </u>     | $\vdash \vdash$        |
| -        | 41<br>42                                     | ├             | -          |              | _        | <u> </u>   | ⊨        |  | <del> </del> | $\vdash \vdash \vdash$ |
| $\vdash$ | 42   | $\vdash$      | $\vdash$   | ┢            |          | $\vdash$   | -        | $\vdash$   | ⊢            | Н                      |
| $\vdash$ | 44   | Η-            | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | -        | <del>                                     </del> | <del> </del> | H                      |
|          | 45   | $\vdash$      | Т          | Г            | $\vdash$ | Г  | <u> </u> | <del>                                     </del> |              | П                      |
|          | 46   |               |            |              |          |  |          |  |              |                        |
|          | 47   |               |            |              |          |  |          |  |              |                        |
|          | 48   | $\sqsubseteq$ | L          |              | L        | _  |          | Ľ  | ·            | Ш                      |
|          | 49   | $\vdash$      | <u> </u>   | <u> </u>     | $\vdash$ |  |          | <del> </del> _                                   | <u> </u>     | Щ                      |
| 1        | 50   | 1 .           | 1          | 1            | ı        | ı  | 1        | 1  | ı            | . 1                    |

| _        |                            | _        |              | _                |  | _            |              |               |  |  |
|----------|----------------------------|----------|--------------|------------------|--|--------------|--------------|---------------|--|--|
| Final    | Original                   |          |              |                  |  | ٠            |              |               |  |  |
|          | 51<br>52                   |          |              |                  |  | т            |              |               |  |  |
|          | 52                         | $\neg$   |              |                  |  | Н            |              |               |  |  |
|          | 53                         |          |              |                  | $\vdash$   | -            | _            | _             |  |  |
|          | 53<br>54<br>55             |          |              | -                | <del> </del>                                     | $\vdash$     | _            |               | Н  |  |
|          | 55                         |          | _            | -                |  |              |              |               |  |  |
| -        | 56                         |          |              |                  | -  | _            |              |               | -  |  |
|          | 56<br>57                   | -        |              |                  |  | -            |              | _             | -  |  |
| <u> </u> | 58                         | $\vdash$ | _            |                  |  |              |              |               | Н  | _  |
| -        | 50                         | -        | _            | _                |  |              |              | _             | -  | -  |
|          | 59<br>60                   | Н        |              | _                | ┝  | ⊢            | _            |               | Н  | _  |
|          | 60                         |          |              |                  |  | -            |              | _             | -  |  |
| -        | 61<br>62<br>63             |          | _            | -                | _  | -            | -            |               |  |  |
|          | 62                         | Н        |              |                  | $\vdash$   | <u> </u>     | _            | _             |  |  |
| -        | 63                         | -        | ·            | _                | ┝  | H            |              | _             | _  | _  |
| <u> </u> | 64<br>65                   |          | _            | -                | $\vdash$   | <u> </u>     |              |               | _  | _  |
| .        | 65                         | _        |              | _                |  |              |              |               | . '  |  |
| <u> </u> | 66                         |          | _            |                  | _  | <u> </u>     | _            |               |  |  |
|          | 67<br>68                   |          |              | _                | _  |              |              |               |  |  |
|          | 68                         |          |              |                  | _  |              |              |               |  |  |
|          | 69                         |          |              | L                | 乚  |              |              |               |  |  |
|          | 70                         |          |              |                  |  |              |              |               |  |  |
|          | 71                         |          | •            |                  |  |              |              |               |  |  |
|          | 72                         |          |              |                  |  |              |              |               |  |  |
|          | 73                         |          |              |                  |  |              |              |               |  |  |
|          | 70<br>71<br>72<br>73<br>74 |          |              |                  |  |              |              |               |  |  |
|          | 75                         |          |              |                  | Γ  |              |              |               |  |  |
|          | 75<br>76                   |          |              |                  |  |              |              |               |  |  |
|          | l 77                       |          |              |                  |  |              | _            |               |  |  |
|          | 78<br>79                   |          |              |                  | Г  | Г            |              |               |  |  |
|          | 79                         |          | -            |                  |  |              | _            |               |  |  |
|          | 80                         |          |              |                  | Г  |              |              |               |  |  |
|          | 81                         | $\vdash$ | -            |                  | T  |              | $\vdash$     |               |  |  |
|          | 81<br>82                   |          | _            |                  | Г  | T            | _            |               | Г  | Т  |
|          | 83                         | _        |              |                  |  |              |              | $\overline{}$ | _  | _  |
| -        | 84                         |          |              | _                | ✝  |              |              |               | $\vdash$   | _  |
|          | 83<br>84<br>85             |          |              | ┪                | ┢  | _            | -            |               |  | _  |
|          | 86                         | $\vdash$ | $\vdash$     | $\vdash$         | T  |              |              | $\vdash$      |  | _  |
| $\vdash$ | 86<br>87                   | $\vdash$ | $\vdash$     | 一                | ╁  | _            |              | -             | $\vdash$   | $\vdash$   |
| -        | 88                         | $\vdash$ | _            | $\vdash$         | $\vdash$   | _            | -            | $\vdash$      | <del>                                     </del> | $\vdash$   |
|          | 89                         | -        | $\vdash$     | -                | <del>                                     </del> | $\vdash$     |              | $\vdash$      | $\vdash$   | _  |
|          | 90                         | $\vdash$ | ┝            | <del>  -  </del> | 1  | <del> </del> | $\vdash$     |               | <del>                                     </del> | -  |
| _        | 91                         | -        |              | ┢                | ┢  |              | -            | $\vdash$      | ┢  | -  |
| -        |                            | _        | _            | ┢                | ┢  |              | ┢            | ┝             | -  | ┢  |
|          | 92<br>93                   | $\vdash$ | <del> </del> | -                | <del> </del>                                     | +-           | $\vdash$     | $\vdash$      | <del> </del>                                     | <del>                                     </del> |
| -        | 94                         |          | Η-           | $\vdash$         | ╁  | $\vdash$     | $\vdash$     | <del> </del>  | 1  | <del>                                     </del> |
| -        | 95                         | $\vdash$ | -            | $\vdash$         | ┼-   | <del> </del> | <del> </del> | -             | 1  | $\vdash$   |
| -        | 96                         | -        |              | <del> </del>     | ╁╌   | $\vdash$     | $\vdash$     |               | $\vdash$   | -  |
|          | 97                         | $\vdash$ | $\vdash$     | $\vdash$         | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$      | $\vdash$   | -  |
| 1        | 98                         | $\vdash$ | <del> </del> |                  | ├-   | ┼─           | $\vdash$     | $\vdash$      | $\vdash$   | -  |
|          | 99                         | -        | $\vdash$     | -                | $\vdash$   | $\vdash$     | $\vdash$     | -             |  | ├  |
| -        | 100                        |          |              | $\vdash$         | ╁  | ŀ            | $\vdash$     | -             |  | <del> </del>                                     |
| 1        | 1100                       | ı        | l            | 1                | 1  | ı            | l l          | 1             | 1  | ı  |

| Cla      | aim   | Date          |              |                |              |          |              |          |          |          |
|----------|---|---------------|--------------|----------------|--------------|----------|--------------|----------|----------|----------|
| Final    | Original  |               |              |                |              |          |              |          |          |          |
|          | 101   | $\overline{}$ |              |                |              |          |              |          |          |          |
|          | 101<br>102  |               |              |                |              |          |              |          |          |          |
|          | 103<br>104<br>105   |               |              |                |              |          |              |          |          |          |
|          | 104   |               |              |                |              |          |              | Щ        |          |          |
|          | 105   |               | $\Box$       |                |              |          |              |          |          | $\Box$   |
|          | 106   |               | _            | $\blacksquare$ | _            | _        | _            | Щ        |          |          |
|          | 106<br>107<br>108   |               | _            |                |              | _        | $\vdash$     | Ш        |          | -        |
|          | 108   | $\dashv$      | _            |                | _            |          |              |          |          | -        |
|          | 1109  |               | -            | _              |              |          |              | $\vdash$ | $\dashv$ |          |
|          | 111   | $\dashv$      | -            | -              | _            |          |              | $\vdash$ | -        | $\dashv$ |
|          | 112   | $\vdash$      | $\dashv$     |                |              |          | $\vdash$     | $\vdash$ | $\dashv$ | $\dashv$ |
|          | 109<br>110<br>111<br>112<br>113<br>114<br>115                             | $\dashv$      |              |                |              |          | H            | $\vdash$ | $\vdash$ | $\dashv$ |
|          | 114   | Н             |              | П              |              |          | $\Box$       | $\sqcap$ | $\dashv$ | $\vdash$ |
|          | 115   |               |              |                |              |          |              |          |          |          |
|          | 116<br>117<br>118<br>119  |               |              |                |              |          |              |          |          |          |
|          | 117   |               |              |                |              |          |              |          |          |          |
|          | 118   |               |              |                |              |          |              |          |          |          |
|          | 119   |               | İ            |                |              |          |              |          |          | Ш        |
|          | 120   |               |              |                |              |          |              |          |          |          |
|          | 121   |               |              |                |              |          |              |          |          |          |
|          | 122   |               |              | ldash          | Щ            |          |              |          |          |          |
|          | 123   | Ш             |              |                | _            |          | _            | _        | Щ        |          |
|          | 124   | Н             |              |                |              |          |              |          |          | Н        |
|          | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |               |              |                | -            | _        | _            | $\vdash$ | -        | Н        |
|          | 127   | -             | _            | _              | -            | $\vdash$ | -            | $\vdash$ |          | Н        |
|          | 128   |               | -            |                |              | -        | $\vdash$     | -        | -        | Н        |
|          | 129   |               |              |                |              | $\vdash$ | _            |          |          |          |
|          | 130   |               | -            | _              |              |          | $\vdash$     |          |          | _        |
| _        | 131   |               |              | Г              | _            |          | $\vdash$     |          |          | П        |
|          | 132   | П             |              |                |              | Т        |              |          |          |          |
|          | 133   |               |              |                |              |          |              |          |          |          |
|          | 131<br>132<br>133<br>134<br>135   |               |              |                |              |          | $\Box$       | $\Box$   |          |          |
|          | 135   |               | $oxed{\Box}$ | _              | <u> </u>     | L        | <u>L</u>     | <u></u>  | L        |          |
|          | 136<br>137  |               | L_'          | <u> </u>       | L.           | <u> </u> | <u> </u>     |          |          | <u> </u> |
| · · · ·  | 137   |               | <u> </u>     | _              |              | <u> </u> | <u> </u>     |          | $\vdash$ | $\vdash$ |
| <u> </u> | 138   | Н             | <u> </u>     | <u> </u>       | _            | <u> </u> | ├-           | -        | -        | _        |
| <u> </u> | 139<br>140  | $\vdash$      |              | -              | <u> </u>     | -        | <del> </del> | -        | ⊢        | -        |
|          | 141   | H             | -            | $\vdash$       | -            | ┡        | -            | H        | $\vdash$ | $\vdash$ |
|          | 141   | $\vdash$      | -            | -              | <del> </del> | $\vdash$ | -            | -        | $\vdash$ | Ė        |
|          | 143   | -             | <del> </del> | $\vdash$       | <del> </del> | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |          |
|          | 144   | $\vdash$      | $\vdash$     | H              | $\vdash$     | $\vdash$ |              | Н        | Н        |          |
| <u> </u> | 145   |               | $\vdash$     | $\vdash$       | $\vdash$     | -        | H            | t        | T        |          |
| <b></b>  | 146   | $\vdash$      |              | Ī.             |              |          | Г            | Г        |          | Г        |
|          | 147   | П             | Г            | m              | Γ            | Г        |              |          |          |          |
|          | 148   |               |              |                |              |          |              |          |          |          |
|          | 149   |               |              | Ĺ.             |              |          | Ľ            |          |          |          |
|          | 150   |               |              |                |              |          |              |          |          |          |